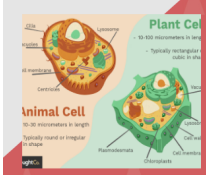


The FUNDAMENTAL UNIT

EVERY ORGAN IN OUR BODY- THE SKIN, THE BRAIN, THE BONE IS COMPOSED OF HUNDREDS OF THOUSANDS OF CELLS.

ALL OF US HAVE IT

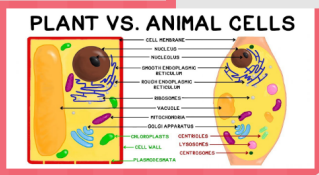
PLANT CELL

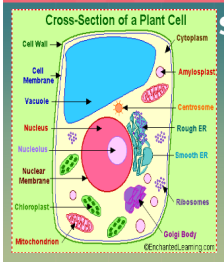
- DEFINITE CELL WALL
- CENTROSOME NOT PRESENT
- VACUOLES PROMINENT
- CONTAIN PALSTIDS
- SIZE LARGER
- DISTINCT CEL WALL
- CYTOPLASM NOT SO DENSE

ANIMAL CELL

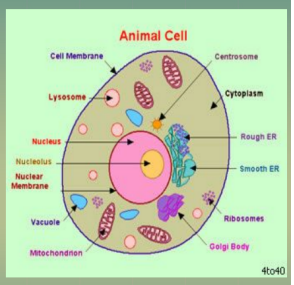
- NO CELL WALL
- CENTROSOME IS RPESENT
- VACUOLES ARE SMALL IF ANY
- NO PLASTIDS
- CELL IS SMALLER THAN PLANT CELL
- CELL WALL LESS BOUNDARIES
- CYTOPLASM DENSER AND MORE GRANULAR
- CYTOPLASM FILLS ENTIRE CELL

PLANT VS. ANIMAL CELLS



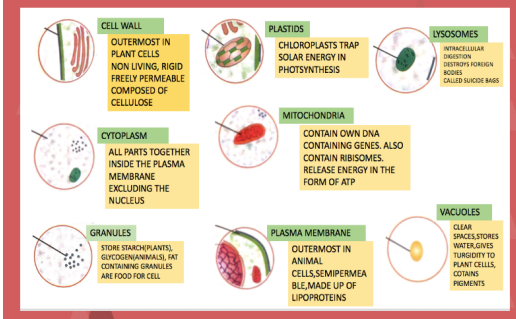


STRUCTURE OF PLANT CELL

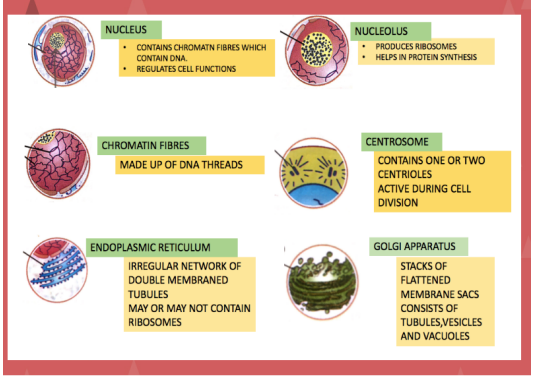


STRUCTURE OF ANIMAL CELL

CELL ORGANELLES


CELL WALL
OUTERMOST IN PLANT CELLS
NON LIVING, RIGID
FREELY PERMEABLE
COMPOSED OF CELLULOSE
PLASTIDS
CHLOROPLASTS TRAP SOLAR ENERGY IN PHOTSYNTHESIS
LYSOSOMES
INTRACELLULAR DIGESTION
DESTROYS FOREIGN BODIES
CALLED SUICIDE BAGS
CYTOPLASM
ALL PARTS TOGETHER INSIDE THE PLASMA MEMBRANE EXCLUDING THE NUCLEUS
MITOCHONDRIA
CONTAIN OWN DNA CONTAINING GENES. ALSO CONTAIN RIBISOMES.
RELEASE ENERGY IN THE FORM OF ATP
GRANULES
STORE STARCH(PLANTS), GLYCOGEN(ANIMALS), FAT CONTAINING GRANULES ARE FOOD FOR CELL
PLASMA MEMBRANE
OUTERMOST IN ANIMAL CELLS,SEMIPERMEABLE,MADE UP OF LIPOPROTEINS
VACUOLES
CLEAR SPACES,STORES WATER,GIVES TURGIDITY TO PLANT CELLS, COTAINS PIGMENTS

CELL ORGANELLES



powered by
PIKTOCHART